

HYDROLOGIC DATA

Hydrologic records collected at the Hyde and Beaufort County sites and in Campbell Creek are summarized in table 2. Hyde County site locations are shown in figure 2; the Beaufort County and Campbell Creek site locations are shown in figure 3.

Table 2.-- Hydrologic data-collection network
[--, no data]

Site (figs. 2 and 3)	Measurement type and time interval (in minutes)			Discharge	Period of record
	Precipitation	Water level	Stream velocity		
H1	--	15	15	Periodically	May 1988-April 1992
H1A	--	15	--	--	October 1988-April 1992
H2	15	15	15	Periodically	May 1988-April 1992
H2A	15	15	--	--	October 1990-April 1992
H3	--	15	15	Periodically	May 1988-April 1992
H3A	--	15	--	--	December 1990-April 1992
B2	--	15	15	Periodically	May 1988-April 1992
B2A	--	15	--	--	June 1991-April 1992
B3	15	15	15	Periodically	May 1988-April 1992
B3A	15	15	--	--	May 1991-April 1992
C1	--	15	--	--	May 1988-April 1992

Precipitation

Precipitation was recorded at 15-minute intervals at sites H2 and B3 (table 2). Precipitation data from the National Weather Service station at New Holland, 12 mi east of site H2, were used to compare precipitation measurements at site H2 with long-term averages and to estimate missing daily precipitation values at this site. Likewise, data from the National Weather Service station at New Bern, about 25 mi southwest of site B3, were used to compare precipitation measurements at site B3 with long-term averages and to estimate missing daily precipitation values at this site (table 3). A comparison of observed precipitation and long-term average values indicates that the period from October 1990 through April 1992 was drier than normal (table 3).

Water Levels

Water levels were recorded at 15-minute intervals at each site in the five drainage canals and at Campbell Creek (site C1) (table 2). All water levels were referenced to sea level, and datums were checked annually.